CITY MULTI® Outdoor Unit: 16-TON PURY-P192TSHMU-A-BS 🗘 MITSUBISHI ELECTRIC

(Consists of Two PURY-P96THMU-A-BS and One CMY-R100VBK Twinning Kit)

Job Name:	Location:
Drawing Reference:	Schedule No.
System No.:	Date:

OUTDOOR VRFZ HEAT RECOVERY SYSTEM FEATURES

- 3-phase, 208/230V systems
- · Modular variable refrigerant flow zoning (VRFZ) systems; smaller capacity units can be piped together to form a single, large-capacity two-pipe system
- Compact size for each outdoor module; can be transported through standard-sized doorways for installation
- Required Twinning Kit allows for easy field piping connection
- Selectable fan static, 0.12 or 0.24"WG external static pressure; factory set to 0"WG
- Max. Total Refrigerant Piping Length: 1,804' (P72,96); 1,969' (P120,144,168); 2,461' (P192); 2,625' (P216,240); Max. Line Length: 541'; Max. Control Wiring Length: 1,650'
- · Connects to CITY MULTI indoor units; controlled via CITY MULTI Controls Network (CMCN)
- · External finish: Pre-coated Galvanized-steel Sheets with thermoset polyester-resin
- Operating Temperature Range Cooling (Outdoor): $23^{\circ} \sim 109^{\circ}F$ (-5° ~ +43°C) DB Heating (Outdoor): $-4^{\circ} \sim +60^{\circ}F$ ($-20^{\circ} \sim +16^{\circ}C$) WB







PURY-P96THMU-A-BS

OPTIONAL PARTS

- □ Twinning Kit*......CMY-R100VBK □ Branch Joint (T-Branch: ≤ 72,000 Btu/h)......CMY-Y102S-G2 □ Branch Joint (T-Branch: 73,000-144,000 Btu/h)..........CMY-Y102L-G2 □ Joint Adapter (Port Connector>54.000 Btu/h)......CMY-R160J □ Main BC Controller......CMB-P108/1010/1013/1016NU-GA
- □ Sub BC Controller......CMB-P104/108NU-GB/-1016NU-HB
- Twinning Kit is necessary to combine the refrigerant flows of the modules and is included in the outdoor unit set.

Specifications		System	Module 1	Module 2
Unit Type		PURY-P192TSHMU-A-BS	PURY-P96THMU-A-BS	PURY-P96THMU-A-BS
Nominal Cooling Capacity	Btu/h	192,000	96,000	96,000
Nominal Heating Capacity	Btu/h	200,000	108,000	108,000
External Dimensions (H x W x D)	In. / mm	Refer to Module Data	65 x 48-1/16 x 29-15/16 / 1,650 x 1,220 x 760	65 x 48-1/16 x 29-15/16 / 1,650 x 1,220 x 760
Net Weight	Lbs. / kg	1,170 / 530	585 / 265	585 / 265
Electrical Power Requirements	Voltage, Phase, Hertz	Refer to Module Data**	208-230V, 3-phase, 60Hz	
Cooling Power Input	kW	17.04	Refer to System Data	
Heating Power Input	kW	15.85		
Cooling Current (208/230V)	Α	52.5 / 47.5		
Heating Current (208/230V)	Α	48.8 / 44.2		
Minimum Circuit Ampacity (MCA)**	А	Refer to Module Data**	35 / 32**	35 / 32**
Maximum Overcurrent Protection (MOCP)**	А	Refer to Module Data**	40 / 40**	40 / 40**
Piping Diameter				
From Twinning Kit to Indoor Units	Liquid (High Pressure)	7/8 / 22.2	Refer to System Data	
(Brazed) (In. / mm)	Gas (Low Pressure)	1-1/8 / 28.58		
From Modules to Twinning Kit (Brazed) (In. / mm)	Liquid (High Pressure)	Refer to Module Data	3/4 / 19.05	3/4 / 19.05
	Gas (Low Pressure)		7/8 / 22.2	7/8 / 22.2
Indoor Unit	Total Capacity	50 to 150% of ODUs	Refer to System Data	
	Model / Quantity	P06 ~ P96 / 1 to 48		
Sound Pressure Levels	dB(A)	62.0	58.0	58.0
Fan				
Type x Quantity		Refer to Module Data	Propeller Fan x 1	Propeller Fan x 1
Airflow Rate	CFM	Refer to Module Data	7,750	7,750
Direct-drive Inverter Motor Output	kW		0.92	0.92
Compressor Operating Range		9% to 100%	Refer to System Data	
Compressor Type x Quantity			Inverter-driven Scroll Hermetic x 1	Inverter-driven Scroll Hermetic x 1
Compressor Motor Output	kW	Refer to Module Data	7.0	7.0
Compressor Crankcase Heater	kW		0.057	0.057
Refrigerant		Refer to Module Data	R410A	
Lubricant		Total to Module Data	MEL32	
High-pressure Protection Device		Refer to Module Data	601 psi / 4.15 MPa	601 psi / 4.15 MPa
Compressor / Fan Protection Device			Overheat Protection / Thermal Switch	Overheat Protection / Thermal Switch
Inverter Protection Device Blue Fin Anti-corrosion Protection: Cellulose- and polyuretha			Overheat / Overcurrent Protection	Overheat / Overcurrent Protection

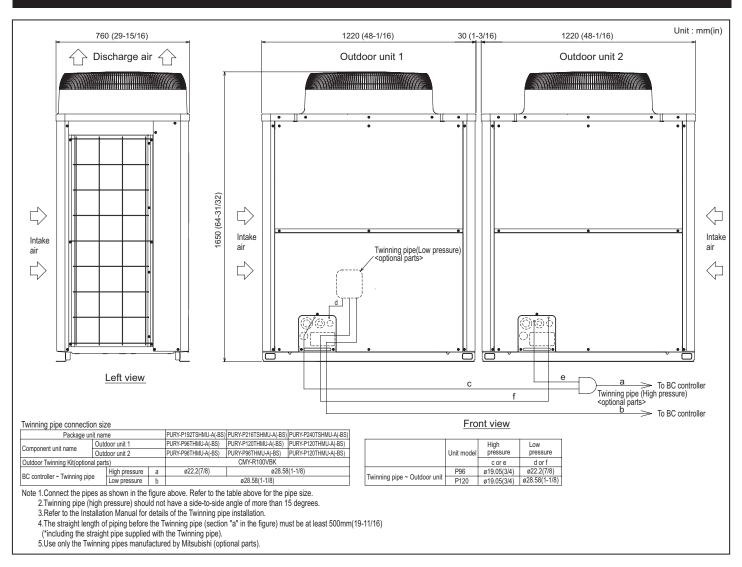
≥1µm to 1.5µm thick; Salt Spray Test Method - no unusual rust development to 960 hours.

^{**} Each individual module requires a separate electrical connection. Reference electrical data for each individual module.

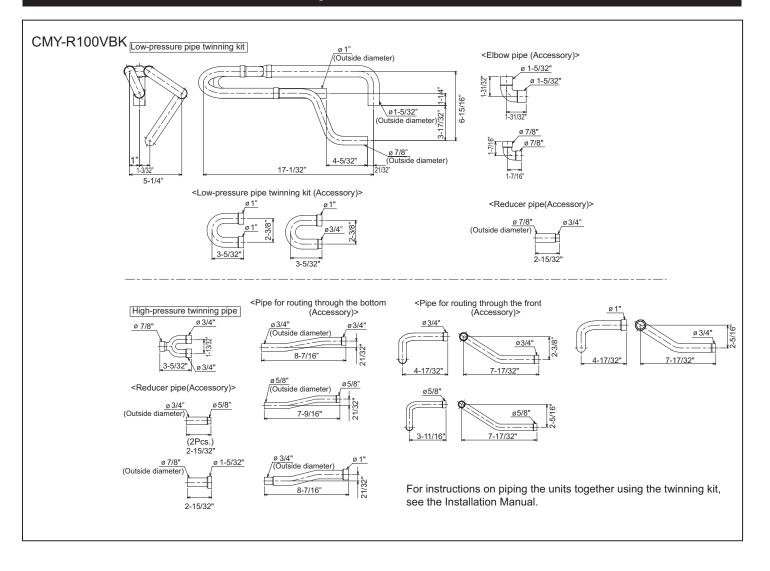
SEACOAST PROTECTION

- External Panel Base, External Front Panel, Pillar: Alloyed galvanized-steel sheets with thermoset polyester-resin coating on internal and external surfaces
- Compressor Cover: Galvanized-aluminum sheets with thermoset polyester-resin coating on internal and external surfaces
- Electrical Parts Box: Galvanized-aluminum sheets with thermoset polyester-resin coating on external surface
- Fan Motor Support: Galvanized-steel sheets with thermoset polyester-resin coating on internal and external surfaces
- Printed Circuit Board: Epoxy resin with polyurethane-coating on external surface

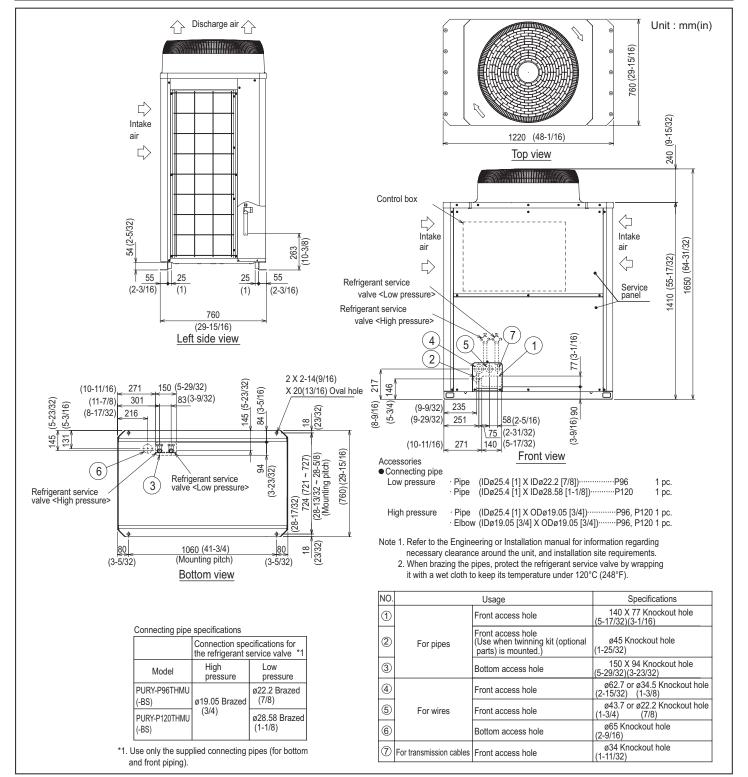
Outdoor Unit: PURY-P192TSHMU-A-BS - DIMENSIONS



Twinning Kit: CMY-R100VBK



Modules 1 and 2: PURY-P96THMU-A-BS - DIMENSIONS







Mitsubishi Electric Air Conditioning & Refrigeration Systems Works acquired ISO 9001 certification under Series 9000 of the International Standard Organization (ISO) based on a review of quality warranties for the production of refrigeration and air conditioning equipment.

ISO Authorization System The ISO 9000 series is a plant authorization system relating to quality warranties as stipulated by the ISO. ISO 9001 certifies quality warranties based on the "design, development, production, installation and suxiliary services" for products built at an authorized plant.



Mitsubishi Electric Air Conditioning & Refrigeration Systems Works acquired environmental management system standard ISO 14001 certification.

The ISO 14000 series is a set of standards applying to environmental protection set by the International Standard Organization (ISO).





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Specifications are subject to change without notice.